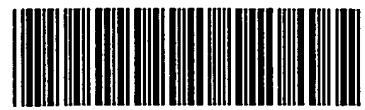# RAW SEQUENCE LISTING

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439 agcagtaatt acaagcttac tgtcagccgt ccctggaagc aagggccagg tcaggtcaga   2040
441 caggaggccg cctggctggc gggaaccact ccccagacag agactgtgcc cagtcctggg   2100
443 tccctcctca tttgggatga actgggcctc cctgtccag cctcggtgct gccctgccc   2160
445 agtgcaggct tgggctcctc actcatttgt ccacgcggat gccccattcc aagcagatgt   2220
447 ccccgagcca cttacccaac aggcagacgt gccagcactg ttcgtggtgt gcaactggtc   2280
449 tggcgggaag agcccctcgt gggcagaggg tccagagagg tgcggtttgc cccacatttg   2340
451 ggggcactgg gccacagtgg gcaggggagc acgtggccag tgccctgggc taggagaggg   2400
453 ataaagtcag ctgtggccaa gcagaagcag tattgcaggg gaaggtgggg agagactgt    2460
455 gctatgagct ctgagcagga ggcaggacat ggagagaagg gtgggagacg gacagagcca   2520
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/28/2005
PATENT APPLICATION: US/10/553,436   TIME: 10:13:30

Input Set : **N:\RJAVED\10553436.txt**
Output Set: **N:\CRF4\10282005\J553436.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:18; N Pos. 896
Seq#:28; N Pos. 18,108
Seq#:39; N Pos. 321,322,351,357,358,376,400,409,430,446,461,478
Seq#:73; N Pos. 51,67,95,101,118,123,165,194,199,249,343,352,388,420,458
Seq#:73; N Pos. 488,525,533,535,538
Seq#:74; N Pos. 23,61,62,70,83,93,106,128,129,131,135,173,180,344,358,361
Seq#:74; N Pos. 363,365,370,372,373,378,383,416,447,464,467,468,471,473,486
Seq#:74; N Pos. 490,492,495,497,500,504,505,512,515,537,542,550,562,566,570
Seq#:74; N Pos. 572
Seq#:95; N Pos. 222
Seq#:99; N Pos. 899
Seq#:100; N Pos. 597
Seq#:129; N Pos. 15
Seq#:164; Xaa Pos. 112,144
Seq#:190; Xaa Pos. 15,16
Seq#:199; Xaa Pos. 110,121,122,128,136
Seq#:200; Xaa Pos. 4,14,16,22,30,33,40,46,51,56
Seq#:202; Xaa Pos. 1,5,8,9,12,18,26,32,57
Seq#:204; Xaa Pos. 102,104,105,110,119,122,129,136,137
Seq#:206; Xaa Pos. 102,104,105,110,119,122,129,136,137
Seq#:208; Xaa Pos. 102,104,105,110,119,122,129,136,137
Seq#:210; Xaa Pos. 46,48,49,54,63,66,73,80,81
Seq#:242; Xaa Pos. 1,2,3,4
Seq#:248; Xaa Pos. 172
Seq#:255; Xaa Pos. 17,22,31,41,55,64,66,83,114,117,129
Seq#:256; Xaa Pos. 17,22,31,39,41,55,64,66,83,114,117,129
Seq#:257; Xaa Pos. 7,20,23,28,31,35,43,44,45,58,60,115,121,122,124,126,128
Seq#:258; Xaa Pos. 1,2,9,12,16,24,25,26,39,41,96,102,103,105,107,109,120
Seq#:273; Xaa Pos. 221
Seq#:278; Xaa Pos. 14
Seq#:287; Xaa Pos. 62
Seq#:289; Xaa Pos. 253,260
Seq#:294; Xaa Pos. 210
Seq#:295; Xaa Pos. 296
Seq#:299; Xaa Pos. 304,306,307,308,309,311,314,317,318,324
Seq#:320; Xaa Pos. 201,204
Seq#:340; Xaa Pos. 83,117
Seq#:341; Xaa Pos. 5
Seq#:342; Xaa Pos. 5
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/553,436

DATE: 10/28/2005
TIME: 10:13:30

Input Set : **N:\RJAVED\10553436.txt**
Output Set: **N:\CRF4\10282005\J553436.raw**

```
L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:840
L:2353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:2355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60
L:3382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:300
L:3384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:360
L:3386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:420
L:5964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:5966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:60
L:5968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:120
L:5970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:180
L:5972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:240
L:5974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:300
L:5976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:360
L:5978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:420
L:5980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:480
L:6259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:6261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:60
L:6263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:120
L:6269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:300
L:6271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:360
L:6273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:420
L:6275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:480
L:6277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:540
L:7416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:180
L:7678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:840
L:7713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:540
L:9302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0
L:12354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:96
L:12362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:128
L:14734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:0
L:15537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:96
L:15541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:112
L:15545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:128
L:15616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:0
L:15620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:16
L:15624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:32
L:15628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200 after pos.:48
L:15726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:0
L:15730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:16
L:15738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:48
L:15842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:96
L:15846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:112
L:15850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:128
L:15954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:96
L:15958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:112
L:15962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:128
```

VERIFICATION SUMMARY   DATE: 10/28/2005
PATENT APPLICATION: **US/10/553,436**   TIME: 10:13:30

Input Set : **N:\RJAVED\10553436.txt**
Output Set: **N:\CRF4\10282005\J553436.raw**

```
L:16066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:96
L:16070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:112
L:16074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:128
L:16174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:32
L:16178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:48
L:16182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:64
L:16186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:80
L:19716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:242 after pos.:0
L:20048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:248 after pos.:160
L:20555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:16
L:20559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:32
L:20563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:48
L:20567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:64
L:20571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:80
L:20579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:112
L:20583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:255 after pos.:128
L:20670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:16
L:20674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:32
L:20678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:48
L:20682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:64
L:20686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:80
L:20694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:112
L:20698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256 after pos.:128
L:20793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:0
L:20797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:16
L:20801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:32
L:20805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:48
L:20821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:112
L:20910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:0
L:20914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:16
L:20918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:32
L:20930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:80
L:20934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:96
L:20938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258 after pos.:112
L:21833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273 after pos.:208
L:22082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278 after pos.:0
L:22643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:48
L:22837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:240
L:22841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289 after pos.:256
L:23150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:208
L:23239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:295 after pos.:288
L:23495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299 after pos.:288
L:23499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299 after pos.:304
L:23503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:299 after pos.:320
L:24790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:320 after pos.:192
L:25526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:80
L:25534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:340 after pos.:112
L:25551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:341 after pos.:0
L:25580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:342 after pos.:0
```